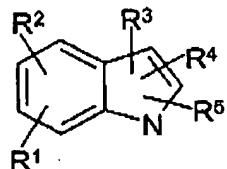


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Claim Listing

1. (Currently Amended) A compound of the formula:

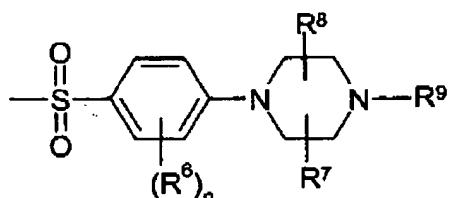


wherein:

R<sup>1</sup> and R<sup>2</sup> each independently is hydrogen, alkyl, aryl, acyl, halo, nitro, amino, cyano, alkoxy, hydroxy, aryloxy, alkylthio, arylthio, thiol, carbonylamino, aminocarbonyl, or haloalkyl;

R<sup>3</sup> and R<sup>4</sup> each independently is hydrogen, halo, alkyl, acyl, aryl, or arylalkyl;

R<sup>5</sup> is:



n is 0 to 4;

R<sup>6</sup> in each independent occurrence is hydrogen, alkyl, alkoxy, or halo;

R<sup>7</sup> and R<sup>8</sup> each independently is hydrogen or alkyl; and

R<sup>9</sup> is hydrogen, alkyl, or arylalkyl;

or an individual isomer, a racemic or non racemic mixture of isomers, a prodrug, or a pharmaceutically acceptable salt or solvate thereof.

2. (Original) The compound of claim 1, wherein R<sup>3</sup> and R<sup>4</sup> each independently is hydrogen, halo or alkyl.

3. (Original) The compound of claim 1, wherein R<sup>1</sup> and R<sup>2</sup> each independently is hydrogen, halo, or alkoxy.

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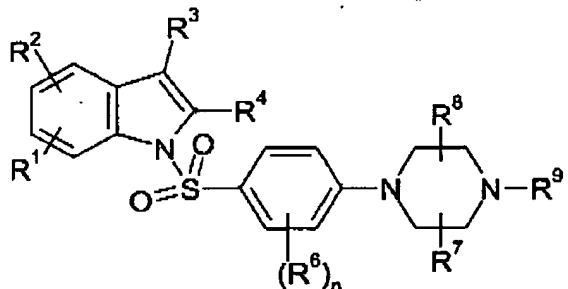
4. (Original) The compound of claim 1, wherein n is 1 and wherein R<sup>6</sup> is hydrogen or halo.

5. (Original) The compound of claim 1, wherein R<sup>7</sup> and R<sup>8</sup> are hydrogen.

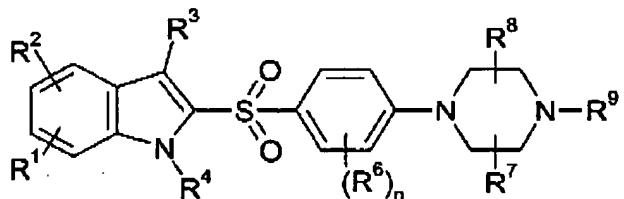
6. (Original) The compound of claim 1, wherein R<sup>9</sup> is hydrogen or alkyl.

7. (Original) The compound of claim 1, wherein:  
R<sup>1</sup> and R<sup>2</sup> each independently is hydrogen, halo, or alkoxy;  
R<sup>3</sup> and R<sup>4</sup> each independently is hydrogen, halo or alkyl;  
n is 1 and R<sup>6</sup> is hydrogen or halo;  
R<sup>7</sup> and R<sup>8</sup> are hydrogen; and  
R<sup>9</sup> is hydrogen or alkyl.

8. (Original) The compound of claim 7, wherein said compound has the formula:

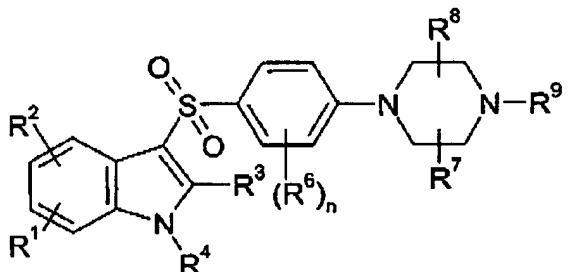


9. (Original) The compound of claim 7, wherein said compound has the formula:



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10. (Original) The compound of claim 7, wherein said compound has the formula:



11. (Original) The compound of claim 8, wherein one of R<sup>1</sup> and R<sup>2</sup> is halo and the other is hydrogen.

12. (Original) The compound of claim 10, wherein one of R<sup>1</sup> and R<sup>2</sup> is halo and the other is hydrogen.

13. (Original) The compound of claim 12, wherein n is 1 and R<sup>6</sup> is halo.

14. (Original) The compound of claim 12, wherein n is 0.

15. (Original) The compound of claim 10, wherein R<sup>1</sup> and R<sup>2</sup> are hydrogen.

16. (Original) The compound of claim 15, wherein n is 1 and R<sup>6</sup> is halo.

17. (Original) The compound of claim 15, wherein n is 0.

18. (Original) The compound of claim 12, wherein R<sup>9</sup> is hydrogen.

19. (Original) The compound of claim 12, wherein R<sup>9</sup> is methyl.

20. (Original) The compound of claim 13, wherein R<sup>9</sup> is hydrogen.

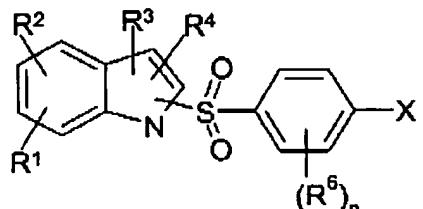
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21. (Original) The compound of claim 13, wherein R<sup>9</sup> is methyl.
22. (Original) The compound of claim 14, wherein R<sup>9</sup> is hydrogen.
23. (Original) The compound of claim 14, wherein R<sup>9</sup> is methyl.
24. (Original) The compound of claim 15, wherein R<sup>9</sup> is hydrogen.
25. (Original) The compound of claim 15, wherein R<sup>9</sup> is methyl.
26. (Original) The compound of claim 16, wherein R<sup>9</sup> is hydrogen.
27. (Original) The compound of claim 16, wherein R<sup>9</sup> is methyl.
28. (Original) The compound of claim 17, wherein R<sup>9</sup> is hydrogen.
29. (Original) The compound of claim 17, wherein R<sup>9</sup> is methyl.
30. (Original) A pharmaceutical composition comprising, comprising a compound of claim 1 together with a pharmaceutically acceptable carrier.
31. (Currently Amended) A method for treating a central nervous system disease state in a subject, said disease state selected from the group consisting of schizophrenia, depression and memory disorders said method comprising administering to said subject a therapeutically effective amount of a compound of claim 1.
32. (Canceled)
33. (Canceled)

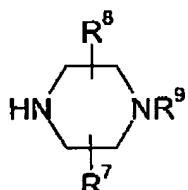
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## 34. (Canceled)

35. (Original) A method for producing a compound of claim 1, comprising contacting a 4-halobenzenesulfonyl-indole of the formula:



with a piperazine of the formula:



to produce a compound of the formula:

